

E.C. Board

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-3-90
Relating to Certification of New Heavy-Duty Motor Vehicle Engines

DAIMLER-BENZ AG

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102, and 43103 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-3;

IT IS ORDERED AND RESOLVED: That the following Daimler-Benz AG 1988 model-year diesel engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 8,500 pounds:

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
JDB 5.96 FAF 0	364 (5.96)	Engine Modification Smoke Puff Limiter (Diesel Injection - Direct) (Turbocharger) (Intercooler)

Engine models and codes are listed on attachments.

The following are the certification emission values for this engine family:

<u>Engine Family</u>	<u>Hydrocarbons gm/bhp-hr</u>	<u>Carbon Monoxide gm/bhp-hr</u>	<u>Nitrogen Oxides gm/bhp-hr</u>	<u>Particulates gm/bhp-hr</u>
JDB 5.96 FAF 0	0.5	2.7	5.6	0.4

BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order.

Executed at El Monte, California this 8th day of September, 1987.


K. D. Drachand, Chief
Mobile Source Division

Manufacturer Daimler-Benz Engine Family JDB5.96 FAF Ø
Evaporative Family N/A Engine Type L6
Liters (CID) 5.96 (364)

ABBREVIATIONS

Ignition System

CA-Centrifugal Advance
ECU-Electronic Control Unit
EI-Electronic Ignition
ESAC-Electronic Spark Advance
Control
VA-Vacuum Advance
VR-Vacuum Retard

Exhaust Emissions Control System

AIP-Air Injection-Pump
AIV-Air Injection-Valve
DBC-Dual Bed Catalyst
EGR-Exhaust Gas Recirculation
EIC-Electronic Injection Control
EM-Engine Modification
OC-Oxidation Catalyst
OS-Oxygen Sensor
HOS-Heated Oxygen Sensor
SPL-Smoke Puff Limiter or
Throttle Delay
TOC-Trap Oxidizer, Continual
TOP-Trap Oxidizer, Periodical
TWC-Three-Way Catalyst
WUOC-Warm-Up Oxidation Catalyst
WUTWC-Warm-Up Three-Way Catalyt

Special Features

CCV-Combustion
Chamber Valve
CFI-Central Fuel
Injection or
Throttle Body
Injection
DID-Diesel
Injection-
Direct
DIP-Diesel
Injection-
Prechamber
EFI-Electronic
Fuel
Injection
IC-Intercooler
or Aftercooler
MFI-Mechanical
Fuel
Injection
OBD-On-Board
Diagnostics
TC-Turbocharger

Fuel System

CFI, CL, DID, DIP, EFI, MFI
nV-nVenturi Carburetor

VEHICLE MODELS:

Engine: Front _____ Mid. _____ Rear _____
Drive: FWD _____ RWD _____ 4WD Full Time _____ 4WD Part Time _____

E.O.# A-3-90Page 219 88 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY-DUTY DIESEL ENGINESManufacturer Daimler-BenzEngine Family JDB5.96 FAF ØLiter (CID) 5.96 (364)Eng. Type L6Emission Control Sys. and (Special Features) EM, SPL (DID, TC, IC)

Engine Model	Fuel Injection Pump Mfr. Part Number	Injector Mfr. Part Number	Maximum Rated HP at RPM	Fuel Rate mm ³ /stroke (lbs/Hr)	Maximum Rated Torque at RPM (lbs.-ft.)	Fuel Rate mm ³ /stroke (lbs/Hr)
QM 366 LA (Code I)	Bosch PES 6 MW 100/ 720 RS 1120	DLA 133 S 1103	190/2600	79 ... 83 (66.7 ... 70.1)	450/1400	84 88 (38.2 ... 40.0)
UM 366 LA (Code II)	Bosch PES 6 MW 100/ 720 RS 1144	DLA 133 S 1103	170/2600	72 ... 76 (60.8 ... 64.2)	413/1600	75.5 ... 79.5 (39.2 ... 41.3)

Date of Issue August 20, 1987

Revisions: